

TYPHOONS AND DEPRESSIONS

THREE SEVERE TYPHOONS IN THE FAR EAST DURING
OCTOBER, 1928

By Rev. JOSÉ CORONAS, S. J.

[Weather Bureau, Manila, P. I.]

Prescinding from eight or nine depressions or typhoons of not so much importance or of rather doubtful or indefinite tracks, we will mention here only three severe typhoons that visited the Far East during the month of October. One of them traversed the Philippines on October 1, although at that time it was only a shallow depression of little importance.

Typhoon of the China Sea and Indo-China, October 2 to 4.—This typhoon was shown for the first time in our weather maps of September 29 about 350 miles to the east of northern Luzon. It seems to have been at that time only a depression, which moved westward and traversed northern Luzon on October 1. Once in the China Sea it soon developed into a severe typhoon, and as such, it could be seen on the coast of central Indo-China in the morning of October 3, the barometer at Donghoi having fallen to 739.5 mm. (29.11 inches, corrected for gravity) at 4 p. m. of that day with hurricane winds from NNE.

The approximate positions of the center at 6 a. m. of October 1 to 3 were as follows:

October 1, 6 a. m., 122° 30' longitude E., 17° 35' latitude N.
October 2, 6 a. m., 116° 50' longitude E., 17° 30' latitude N.
October 3, 6 a. m., 109° 30' longitude E., 16° 45' latitude N.

Japan typhoon, October 1 to 9.—This typhoon was formed on October 1 to 2 to the S. or SSW. of Guam near 143° or 144° longitude E. and 9° latitude N. It moved northwestward on the 2d, and W. by N. on the 3d, the rate of progress being very great from 6 a. m. of October 3 to 6 a. m. of October 4. Suddenly it remained almost stationary or moved very slowly on the 4th, while recurving to the N. and NE. On the 5th it

increased again its rate of progress moving northeastward. On the 6th it began to move N. or N. by E. until it reached Japan in the afternoon or evening of the 8th.

The U. S. S. *Henderson* was near the center of this typhoon on the 6th about 400 miles to the southeast of the Loochoos, the winds having blown from the N. force 9, at 6 p. m. of that day.

The approximate positions of the center at 6 a. m. of October 6 to 8 were as follows:

October 6, 6 a. m., 133° 45' longitude E., 20° 20' latitude N.
October 7, 6 a. m., 134° 55' longitude E., 25° 15' latitude N.
October 8, 6 a. m., 136° 20' longitude E., 30° 45' latitude N.

Ladrones and Bonins typhoon, October 25 to 31.—This was a big typhoon; it appeared on the 25th, at 6 a. m., to the ESE. of Guam near 149° longitude E. and 13° latitude N. It moved WNW. and W. by N. on the 25th and 26th, the center passing 150 miles north of Guam in the early morning of October 26. On the 27th it began to recurve slowly to the north, and on the 30th and 31st it continued recurving to NNE., NE., and ENE. The center passed very near to the north of the Bonins at about noon of the 31st, when the barometer had fallen to 738.5 mm. (29.08 inches, corrected for gravity). It was moving then to ENE.

The approximate positions of the center at 6 a. m. of October 25 to 31 were as follows:

October 25, 6 a. m., 149° 00' longitude E., 13° 30' latitude N.
October 26, 6 a. m., 144° 50' longitude E., 15° 50' latitude N.
October 27, 6 a. m., 139° 45' longitude E., 17° 10' latitude N.
October 28, 6 a. m., 137° 55' longitude E., 18° 10' latitude N.
October 29, 6 a. m., 137° 00' longitude E., 19° 50' latitude N.
October 30, 6 a. m., 136° 50' longitude E., 21° 55' latitude N.
October 31, 6 a. m., 140° 20' longitude E., 27° 35' latitude N.

The typhoon could not be noticed in our Weather Maps after October 31, the center having probably gone fast into the Pacific to the ENE. of the Bonins.